THE CANNON

The Official Newspaper of Skule, after the Toike Oike (of course), Est. 1978.

Volume 17, Number 1 | January 1, 1994. (BNAD time) | Cost: less than the Toike

Possessed By Spirit

Artsies gave us beer. No, really! Artsies gave us beer. Twice, or at least two times recently. They tend to do this from time to time; some of them do, anyway. The first of the two recent events was a birthday party. It was a great party. It was organized as a costume surprise party, with a medieval theme. Everyone was dressed really well, with a Robin Hood and a Friar Tuck and any other character you might associate with the time period (not necessarily the right time period, but that didn't matter). Most if not all were University of Toronto graduates, with a few engineers thrown in, but the host and birthday girl were Arts and Science graduates. This was why they recognized the Lady Godiva Memorial Band when it paraded in. Surprise. Yes, the bnad crashed these nice people's party, the LGMB does stuff like this all the time, invited or not. This time, we were INVITED. By, believe it or not, the artsie host! Everyone there felt that the bnad was a "special part of their university life" (their words, not mine!). The bnad was given beer, cake and other goodies for a forty-five minute tour of memory lane.

The latest incident also involved the LGMB. The assistant coach of the Varsity Blues, Ron Murphy, has just recently retired. He was given a beautiful dinner in his honor, for which a hundred or more showed up in their formal finest to pay him tribute. The bnad was, of course, among them, but on THEIR request. The LGMB is considered to be nearly as much a part of Blues football as the Blues themselves.

Needless to say, the bnad members present were touched, but they could not help asking "Why are these artsies so nice?" or "Why are they nice to us?". Very good questions, but not hard ones to answer. The LGMB is, among other things, the most powerful thing known to humanity; a symbol. Symbols are a unifying force, made unbeatable by those who believe in them. These artsies BELIEVE in the LGMB. No kidding! They, like us, see the bnad as a symbol of University school spirit. Their school spirit was stronger than any animosity that might be felt between artsies and engineers, and most would agree that is very strong indeed. Quite a miracle.

Now, all should know that engineers have had, and do have a large collection of miracles. Symbols, not just of school spirit, but of Skule™ Spirit. Engineering Skule™ Spirit. Spirit has always been a prerequisite for the University of Toronto Faculty of Applied Science and Engineering. It has to be. If you don't have some love for what you are doing, then why suffer four years worth of hell? These courses are hard. This course load is hard. You cannot help but feel an overwhelming sense of pride, just for attempting, let alone finishing it. Scream "Toike Oike! Toike Oike! Ollum te chollum te chay, School of Science, School of Science, Hooray, Hooray, Hooray", because you earned the right to with your long days and late nights. It is no wonder that the LGMB exists (or that other things "don't exist", like the Toike around this Cannon).

Skule™ Spirit has proven itself so strong, that it has formed many other symbols for its expression. The engineer's hard-hat is a personal piece of Skule™. Guarded, coveted and decorated with pride. Before hard-hats, there were green ties, worn at all times on campus, and, of course, the meds and the artsies would try to cut them off unsuspecting frosh. Whether it is hard-hats or ties, it is still ours. Still Skule™'s, no matter who tries to take it.

By far the strongest and most appropriate manifestation of Skule™ Spirit is the Mighty Skule™ Cannon. Its roar has echoed through countless buildings, sometimes leaving ceiling tile and broken glass in its wake. There is no truer representation of Skule™ Spirit. Forceful, strong and undeniably present. Nothing can drown-out Skule™ Spirit, nothing can silence the pride.

So next year, as we stand at orientation among all the new frosh and sing the Engineering Hymn, or recite the Oath of Initiation, we must stand tall. As we teach the symbols of Skule™ Spirit that we hold dear, we must teach the meaning behind them, as well as renew it in ourselves. If it can move artsies to give us beer, then, possessed by Skule™ Spirit we can do anything. We should feel it, spread it. Join the LGMB; participate in Skule™ Nite, the engineering musical review; write for the Toike or the Cannon; take pictures for the Skule™ book; join the Engineering Society committees. Sing, scream and dance with skill and vigor. Skule™ Spirit cannot be held at bay; the pride cannot be silenced.

The Oath of Initiation

I, an alumnus of the future
Being of ... mind and body
Do hereby swear on my
Hand held calculator:

To maintain the traditions
Of integrity, humility, camaraderie
And good personal hygiene
As exemplified by my fellow engineers;

To learn the chorus and at least
Two verses (To three decimal points)
Of Godiva, the Engineer's Hymn

And to sing it vigorously
And in the right key
At every opportunity;

To remember there is a fine line
Between having a good time
And going to jail
And that not many people
Have a good time in jail;

To respect and protect my hard hat,
The Engineering Flag,
And, above all, the Mighty Skule Cannon

For they are the symbols of Skule Spirit
Which light our way
And help us to find our car keys in the dark;

And to continue to honour these
Obligations after I have passed
Through these hallowed halls
And graduated from this,
The School of Practical Science.

Ollum
Te Chollum
Te Chay.

DAYS TO REMEMBER:

January 14 - Last day for students to add or substitute Spring Term courses (including Spring Term courses taken in the Faculty of Arts and Science.)

February 11 - Last day to drop full year courses without academic penalty and without credit. (Note: First Year students may not drop courses.)

February 14 - Reading Week starts
February 18 - Reading Week ends

February 25 - Last day for students to drop Spring Term courses without academic penalty, including Spring Term courses taken in the Faculty of Arts and Science. (Note: First Year students may not drop courses.)

SCITE ET STRENUE

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The goal of the CANNON is to inform the students and staff of Skule. All opinions are those of the author, and do not necessarily represent those of the CANNON or the U of T Engineering Society.

•OTHER•
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SUMMER JOBS FOR STUDENTS
600 HOURS OF PRACTICAL EXPERIENCE REQUIREMENT

In ancient times, engineering used to be taught by an apprenticeship method of instruction. Just think--no University education, just working under the supervision of a practising Engineer for 20 years, and taking over the business when he died.

By the 1850's this was changing and in 1873 the School of Practical Science opened, giving a three year course in Engineering. However, everyone realizes that experience is the best teacher, and an apprenticeship period is still needed. In fact, graduation from an accredited Engineering program, like Toronto's, does not automatically lead to a licence to practice.

The Professional Engineers of Ontario currently requires two years of relevant experience before granting a licence, and this will soon be increased to four years.

Not to be outdone, the Faculty also believe that some practical experience is necessary before even awarding the degree. All departments now require at least 600 hours.

Some students (particularly first year) are concerned about this requirement, but really should not be overly-concerned. Many first year students do not get a relevant job, and even second year students may have some trouble these days. By third year, however, everyone should be valuable in the job market.

It normally takes only one summer of work to get the 600 hours and many employers specify "only 3rd year need apply". Also, programs like the NSERC Undergraduate Scholarships are only available in second and third year.

On the question of what counts as practical experience, you can refer to the Faculty Calendar, page 25. The definition is fairly broad, and open to slightly different interpretation in each department. I can only speak for Chemical Engineering, but here are some of my guidelines:

- Serving soup in a restaurant does not count, but working in Quality Control or even production for Campbell's Soup does count.

- Being a janitor normally would not count, except in an explosive factory where a slip can be fatal.

- Almost any job where you understudy an Engineer, a Chemist or a Scientist, counts.

Approval partially depend on how you write up the job. I have given full credit to a job that involves maintaining the temperature, pH, and Chlorine content of a large reservoir of liquid, and being responsible for the safety of people present.
(You also get to wear a uniform--LIFEGUARD)

The Skule™ Cannon

In great secrecy, an emissary was sent down to Svart-alfa-heim (a kingdom below the Earth where elves live) to commission Sindri (maker of the mighty hammer of Thor) to machine the mightiest device ever imagined. With this task in mind, Sindri stole the metal for the barrel from Thor's mighty underwear, and the wood for the carriage from Thor's mighty platform shoes. From this he fashioned a most awesome machine.

And so begins the story of the Mighty Skule™ Cannon...

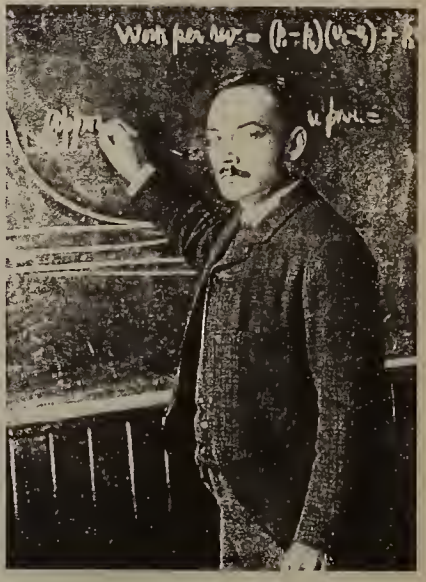
Every Skule™ mate life when they must question such things as his true identity, his reason for being here, the meaning of life, and, perhaps the most baffling and important question of all: "Skule™ Cannon... huh?" Well, for those of you who have ever asked yourselves any of the above questions, this article is for you...

Due to its complex and intricate nature, the question about the Cannon will be tacked in many parts...

Q: What is a cannon?
A: Are you sure you're in the right flaculty? They go BOOM!

Q: Why do we have a Skule™ Cannon?
A: Engineers have always been associated with noise (we don't know where this horrible rumor started), so what better way than a cannon to symbolize Engineering? Since the days of William the Conqueror, the title **Attiliator** has been given to the man responsible for the maintenance of defense works and weapons of war. The word **Attiliator** was synonymous with **Engineer.** The Attiliator was responsible for the number of guns used, their storage, their mountings, and their PROTECTION. It is therefore the duty of all engineers to protect the Cannon form the jealous hands of rival faculties, colleges, and other thieving perverted infidels who would attempt to desecrate our everlasting symbol of pride and Skule™ Spirit.

Q: When did Skule™ first adopt this tradition?
A: The first cannons honoured with the title "Skule™ Cannon" were those in front of Hart House (which are being renovated presently, but will be returned in February). In 1929, an engineering caper resulted in the



'Lord' Galbrath During a Lecture in 1900.
Notice the fine penmenship of our prof's has not changed over the years

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Using the Student Telephone Service

Effective September 9, 1993, engineering students are allowed to use the Student Telephone Service (STS) which can be used for dropping courses, adding courses, changing sections, and listing courses. All engineering students are charged $10.00 for the service as part of their Non-Academic Incidental Fees, however first-year and part-time students are not eligible to use the service.

A touch tone telephone must be used to access the service which can be used only from 7 a.m. to 7 p.m. Mondays to Thursdays, and 7 a.m. to 5 p.m. on Fridays. No weekend service is available, although extended hours (7 a.m. until midnight) are provided near the beginning of each term. These days are January 14, February 11, and February 25 for this term.

Detailed instructions--including charts for telephone key codes--were given to students in September as part of an eighteen page booklet regarding STS information. A summary of these instructions is provided further on, but it is extremely important to understand that you are identified to STS by your student number and your birthdate, both of which should be kept confidential. Your birth month and date compose a four-digit personal identification number (PIN); for example, if you were born on January fourth, your PIN is 0104. Any concerns about security should be reported to the Registrar's office (GB 157).

There are two more points to know before using STS. Firstly, the user should prepare a worksheet of his/her course changes *before* phoning STS. This action ensures that the course identification numbers are readily available when using STS. These numbers are in the aforementioned booklet for engineering courses, and in the Arts and Science Supplement to the booklet for Arts and Science courses. Secondly, STS does *not* check for conflicts, and so the user must check to see if they have a valid schedule before using STS.

The phone number for STS is (416) 872-UOFT (872-8638), and so long distance charges are in effect, if applicable. Once STS answers your call, enter your nine-digit student number and then enter your PIN (the month and day of your birth date). STS now cross-checks your student number with your PIN. If you misenter your PIN three times in a row, your access to STS is revoked and you must go to the Registrar's Office in order to have your access reinstated. If you have entered the correct PIN, then your identity will be confirmed by STS stating the first five letters of your last name.

You now have to press "7" to continue, and you will be at the primary option menu. Press either "2" to alter your summer session schedule or "9" to exit. Additionally, "8" repeats a message while "*" cancels the entry. To complete your course changes, you must use the tables of key codes and 8-digit course codes in the booklet along with the prompts given by STS. Every piece of course information is coded by a number; for example, a free elective is "2" at the appropriate moment and a lab is indicated by "7" instead of "P" in the section code.

More information on STS can be obtained from the booklet as well as the Registrar's Office. Departmental and Divisional offices may also be able to help, especially for questions about specific courses.

The Little Red Schoolhouse

Gentlemen, is this the way to leave an old friend? Is this repayment for the fond memories these old red walls have provided us?... All we ask is that School go to its final resting place knowing it has not been forgotten, that its memory is still cherished by thousands, that its eighty-eight years of service since 1878 are recalled with respect and graditude.

So went a cry in the Alumni News in February of 1966. It was printed when plans to demolish the little red Schoolhouse were made. On the site of the engineering relic, plans for the Medical Sciences Building had been already made.

The words rallied Skulemates to send letters from all places. Each person requested a piece of the old building. Bricks were transformed to paperweights, bannisters to gavels, and stairwell treads to bookends.

When the last beam was placed in the new Medical Sciences Building, the little red Schoolhouse had been preserved in the homes, offices, and hearts of Skulemates who had learned more than drafting in its classrooms.

The Old Schoolhouse, c. 1907

Cannonball!

Saturday, January 15, 1994
at The Boulevard Club.
Everyone is welcome!

$30.00 per person

Tickets on sale at the Engineering Stores and SUDS

Ticket prices are $30.00 each
If you purchase a FULL TABLE
of 8 tickets, the cost is $200.00, or
$25.00 per person!

Free ERTW T-Shirt

To the first frosh who shows a piece of the old brick Schoolhouse, no smaller than 0.5m X 2m, to the Engineering Stores Manager*.

Engineers Rule The World

* Find the guy in the black trench coat with the ponytail (James, the Stores Manager)
or
leave your name, frosh group, and phone number in the Engineering Stores

Contest ends after Godiva's Wake

The Skule™ Cannon, continued

continued from page 2

firing of one of the two. This demonstrated only 50% efficiency, as only one Cannon blew (the other one sucked!)

In the early 1930's, another smaller cannon would appear at Skule™ festivities, go BOOM!, and then mysteriously disappear. The authorities unsuccessfully attempted to track down this phenomenon. In 1935, during a slave auction, the cannon was fired on the steps of the Old Red Skule™ house with such Brute Force that windows were shattered. Once again, it quickly disappeared.

In 1936, a machinist working in civil engineering was approached by a group of Bright Fine Contributors to the engineering faculty, who wanted to know if he would make them a cannon. Recognizing the considerable risk he was taking, but also realizing the dangers of students' experiments with explosives in a water pipe, he decided to help. He fashioned a 10" barrel with a 6" bore from a piece of axle stock, and a base from a pillow block. All this was done during the Skule™ Dinner, held that evening.

This fearsome weapon was used until 1950, except for a few incidents in between 1941 and 1943 when a yacht gun was liberated(stolen) from a machinist in the basement of the old Skule™ house.

In 1949, 1077 Meds and Premeds armed with scalpels, tear-gas, femurs, trained white mice, squadrons of bomber pigeons (and all that awful stench of formaldehyde that all med students naturally produce) attacked in a screaming mindless mob. The battle raged back and forth, to and fro, until finally, the bomber pigeons made their mark on three engineers, and the Cannon disappeared into the Meds building.

Negotiations immediately ensued as the relative worth of the Cannon and the missing (missing?) Meds Society president, Bob Hetherington, were calculated by a federally appointed mediator. After a few days debate, the Cannon was returned, marred with a new inscription that read "Captured by MEDS 5T2, 3 Feb. 1949."

Motivated by this grave injustice, W.H. Kubbinga, of the Civil Engineering Department, fashioned a beautiful new cannon with the inscription "Skule™ Cannon". In 1950, the Engineering Society honoured Mr. Kubbinga with a scroll extolling his loyalty and made him an honourary Member of Ye Ancient and Honourable Company Of Ye Skule™ Cannoneers with the rank of Sergeant Artificer.

This new Cannon served dutifully, endured many theft attempts, and fought many battles over the years, but time eventually took its toll. In 1959, a new barrel was fitted to the old base by Cannoneer Bill Riggs. In honour of its many battles, the old barrel was placed in the cornerstone of the Galbraith Building.

In 1964, the Cannon was fired at the Engineering Frosh Dance. There, a bystander was injured by a piece of wadding from the Cannon muzzle that failed to disintegrate. At the Dean's request, further firings were suspended, pending a series of tests to be carried out by the Department of Chemistry.

By the new year, the tests were completed and a new loading procedure had been devised. For added safety, the old smokeless powder was replaced with blackpowder.

The worst Cannon theft in history took place in 1967 when the Cannon was lifted by a group of graduate engineers. The thieves sent the Cannon to University College in England, but engineers followed and regained the Cannon. While on the Isles, a pilgrimage was made to Coventry, where the Cannon was fired in tribute to Godiva.

The Engineering Society found the whole theft very embarrassing, and kept the incident very hushed. Before the Cannon was retrieved, a new Cannon was crafted. Since it was Canada's centennial, the new Cannon was to be in honour of the hundred-year anniversary.

In 1971, a great and glorious competition was held between Skule™ and Ryerson to determine who had the better Cannon. After the sound of the Mighty Skule™ Cannon, the Ryerson weapon went whimpering home.

The year 1973 was the year of Skule™'s Centennial, and a new cannon was manufactured for the occasion. The old Canadian Centennial Cannon presented to Dean Ham in honour of his retirement.

This new Cannon was kept safe from outside conspirators. In 1982, A second challenge was issued and the Skule™ Cannon competed against Ryerson, again. The results were identical to those of the first competition, with Skule™'s 110 dB at 200 yards, Ryerson had no hope of victory.

In the following years, all attempts to steal the Skule™ Centennial Cannon and its successors have been complete failures, except for one. During the Orientation of 1993, a group of vandals burglarized the Cannon's hiding spot, stealing the Cannon, as well as some unrelated machinery, and caused serious damages. Ransom notes were sent, but the Engineering Society refused to acknowledge the demands for the culprits had not gotten what they were really after. In short, the thieves took a cannon, but the Cannon still roars in our halls. We can't stop them from trying, but they can never succeed in stealing anything true to Skule™.

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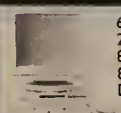

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